

Amendments to the Claims

Listing of Claims:

1. (Currently amended) An information handling system for providing directions to a user of a wireless unit to move to a target position for improving reception, the system comprising:

logic for determining [[a]] the target position for improved communication for the wireless unit based in part on information representing a recent position of the wireless unit and based in part on historical data on received signal strength at the recent and target positions;

a transmitter for transmitting the directions to the user of the wireless unit, the directions including information directing [[a]] the user of the wireless unit to the target position;

wherein changing a position of the wireless unit from the recent position to the target position is more likely to result in improved reception and transmission of wireless signals to and from a wireless access point.

2. (Previously presented) The system of claim 1, further comprising a database for storing information relating to position and related data on wireless reception quality.

3. (Original) The system of claim 1, further comprising a global positioning system.

4. (Currently amended) The system of claim 1 wherein the logic for determining an improved the target position comprises a mapping device for defining the improved target position.

5. (Original) The system of claim 2 wherein the database is dynamically updateable based on reception strength input received from a plurality of wireless units.

6. (Previously presented) The system of claim 1 wherein the logic for determining the target position comprises an application specific integrated circuit.

7. (Previously presented) The system of claim 1 wherein information based on historical data on received signal strength at the recent and target positions is enhanced by information on the environment of the recent and target positions.
8. (Previously presented) The system of claim 1 further comprising an input/output interface for presenting the user with information on the target position.
9. (Previously presented) The system of claim 1 further comprising a transceiver for receiving information representing the recent position of the wireless unit and for transmitting directions to the wireless unit, the directions including information directing a user of the wireless unit to the target position.
10. (Currently amended) In a wireless network comprising access points and wireless clients, a method for directing a user of a wireless client to move to a target position for improved communication, comprising:
 - determining a most recent position of the wireless client;
 - determining, based on historical data on received signal strength at the most recent and target positions, whether there exists the target position for improved communication between the wireless client and the access point; and
 - providing information to the wireless client, the information comprising the target position and navigation directions to the target position.
11. (Previously presented) The method of claim 10 wherein the step of determining the most recent position of the wireless client further comprises receiving a global positioning system signal.

12. (Currently amended) The method of claim 10 wherein the step of sending information to the user of the wireless client further comprises at least one step from among the steps of:

- providing a map illustrating a route to the target position;
- providing a text message comprising navigation instructions to the target position;
- providing an audio message comprising navigation instructions to the target position; and
- providing a video message comprising navigation instructions to the target position.

13. (Previously presented) The method of claim 10 further comprising using a database comprising a history of communication quality at various positions.

14. (Original) The method of claim 13 further comprising updating the database dynamically as new data on communication quality are determined.

15. (Previously presented) The method of claim 10 wherein the step of providing information comprises providing information relating to target positions within a destination area provided by the wireless client.

16. (Currently amended) The method of claim 10 wherein the information provided to the user of the wireless client is based on data relating to the wireless client's most recent position, direction and velocity.

17. (Previously presented) The method of claim 10 wherein the step of determining the wireless client's most recent position comprises using triangulation.

18. (Currently amended) A computer readable medium for directing a user of a wireless client to move from a recent position to a target position for improved communication, the computer readable medium comprising computer program code for:

determining, based on historical data on received signal strength at the recent and target positions, the recent location of the wireless client in a wireless network

determining whether there exists the target position for improved communication between the wireless client and the network; and

providing directions to the target position when it is determined that there exists the target position for improved communication.

19. (Previously presented) The computer readable medium of claim 18 further comprising computer program code for receiving a global positioning system signal.

20. (Previously presented) The computer readable medium of claim 19 wherein the computer program instructions for providing information further comprise at least one instruction from among the instructions:

providing a map illustrating a route to the target position;

providing a text message comprising navigation instructions to the target position;

providing an audio message comprising navigation instructions to the target position; and

providing a video message comprising navigation instructions to the target position.

21. (Previously presented) The computer readable medium of claim 18 further comprising computer program code using information on the most recent location, direction, and velocity of the wireless client to project the target position for the wireless client where improved communication is likely.

22. (Currently amended) A wireless telecommunication unit comprising:

processor logic for

determining, based on historical data on received signal strength at a recent position and a target position of the wireless telecommunication unit for improved reception, the target position for improved reception for the wireless telecommunication unit based in part on information representing the recent position of the wireless unit, wherein changing the position of the wireless unit from the recent position to the target position is more likely to result in improved reception of wireless signals from a wireless access point; and

transmitting to a user of the wireless unit directions to move to said target location; and
a transceiver for receiving and transmitting the wireless signals.

23. (Original) The wireless telecommunication unit of claim 22 further comprising a global positioning system.

24. (Original) The wireless telecommunication unit of claim 22 wherein the processor logic comprises a programmable processor and program instructions.

25. (Original) The wireless telecommunication unit of claim 22 wherein the processor logic comprises an application-specific integrated circuit.

26. (Currently amended) The wireless telecommunication unit of claim 22 further comprising a database storing information relating to position and related data on wireless reception quality at the recent and target positions position.